

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the Application:

Listing of Claims:

1. (Currently Amended) A composite sheet, which is applied to the surface of skin for delivering a therapeutic agent to the skin comprising:
 - a flexible porous polymer foam material for holding and releasing the agent, or therapeutic agent,
 - a polymer enrobing material which is in contact with the skin and encapsulates the polymer foam material and holds and releases the agent, and
 - a plurality of micro-channels passing through the polymer enrobing material and polymer foam material for holding and releasing the agent.
2. (Previously Presented) The composite sheet according to Claim 1 wherein the sheet is capable of releasing the therapeutic agent for a period of up to about 14 to about 30 days.
3. (Previously Presented) The composite sheet according to Claim 1 wherein the porous foam material has open face pores for holding and releasing the therapeutic agent having a diameter of up to about 200 to about 300 microns.
4. (Currently Amended) The composite sheet according to Claim 1 wherein the porous polymer foam material ~~may be~~ is selected from the group consisting of polyurethane, polyvinylacetate, polyvinyl alcohol, and polyethylene.
5. (Currently Amended) The composite sheet according to Claim 1 wherein the polymer enrobing material which encapsulates the porous polymer foam material ~~is~~ may be selected from the group consisting of silicone, hydrogels, ethylene-vinyl acetate and polyurethane elastomers.
6. (Original) The composite sheet according to Claim 1 wherein the sheet has a first side and a second side which contacts the skin with the microchannels, passing

there through forming an area for holding and directly releasing the therapeutic agent onto or into the skin and into the porous polymer foam material and polymer enrobing material for subsequent release to the skin.

7. (Original) The composite sheet according to Claim 6 having a removable rigid polymer strip, which is applied to the first and second sides for retaining the therapeutic agent in the microchannels prior to application of the sheet to the skin.

8. (Currently Amended) The composite sheet according to Claim 1 wherein the porous polymer foam material ~~may be~~ is selected from the group consisting of polyurethane, polyvinylacetate, polyvinyl alcohol, polyethylene and silicone.

9. (Currently Amended) The composite sheet according to Claim 1 wherein the therapeutic agent ~~may be selected~~ is selected from the group consisting of Vitamin E, Vitamin C, emu oil, aloe vera, silver sulphadine sulphadiazine, polymixine B, fusidic acid, plate derived growth factor, corticosteroids and interferon.

10-14 (Canceled)

15. (Previously Presented) The composite sheet according to claim 2 wherein the composite sheet is capable of releasing the therapeutic agent for a period of up to 14 days.

16. (Previously Presented) The composite sheet according to claim 1 wherein the composite sheet is capable of releasing the therapeutic agent for a period of about 14 to about 30 days.

17-18. (Canceled)

19. (Previously Presented) The composite sheet according to claim 8 wherein the porous polymer foam material is polyurethane, and wherein said polyurethane is hydrophilic.